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DATE MAILED: 03/13/2006

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/713,764	11/14/2003	Hsu-Sheng Yu	MXIC-P910259	3586
7590 03/13/2006		EXAMINER		
Kenton R. Mullins			UMEZ ERONINI, LYNETTE T	
Stout, Uxa, Buy	an & Mullins, LLP			
Suite 300			ART UNIT	PAPER NUMBER
4 Venture			1765	
Irvine CA 926	518			

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)	
	10/713,764	YU, HSU-SHENG	
Office Action Summary	Examiner	Art Unit	
	Lynette T. Umez-Eronini	1765	
The MAILING DATE of this communication app	pears on the cover sheet with the	correspondence address	
Period for Reply A SHORTENED STATUTORY PERIOD FOR REPL' WHICHEVER IS LONGER, FROM THE MAILING D. - Extensions of time may be available under the provisions of 37 CF1.1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period or - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDO	ON. timely filed om the mailing date of this communication. NED (35 U.S.C. § 133).	
earned patent term adjustment. See 37 CFR 1.704(b). Status			
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1) Responsive to communication(s) filed on <u>21 D</u>			
· <u> </u>	action is non-final.		
3) Since this application is in condition for allowal	·		
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11,	453 O.G. 213.	
Disposition of Claims			
4) Claim(s) 1-25 is/are pending in the application.			
4a) Of the above claim(s) is/are withdraw			
5) Claim(s) is/are allowed.			
6) Claim(s) is/are rejected.			
7) Claim(s) is/are objected to.			
8) Claim(s) <u>1-25</u> are subject to restriction and/or	election requirement.		
	•		
Application Papers			
9) The specification is objected to by the Examine			
10) The drawing(s) filed on is/are: a) acc	epted or b) \square objected to by the	Examiner.	
Applicant may not request that any objection to the		···	
Replacement drawing sheet(s) including the correct		-	
11)☐ The oath or declaration is objected to by the Ex	aminer. Note the attached Office	e Action or form PTO-152.	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:		a)-(d) or (f).	
1. Certified copies of the priority documents	s have been received.		
2. Certified copies of the priority documents			
3. Copies of the certified copies of the prior		ved in this National Stage	
application from the International Bureau			
* See the attached detailed Office action for a list	of the certified copies not receive	ved.	
Attachment(s)			
Notice of References Cited (PTO-892)	4) 🔀 Interview Summa	ry (PTO-413)	
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail	Date. <u>2/16/2006</u> .	
Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	5) Notice of Informal 6) Other:	Patent Application (PTO-152)	

DETAILED ACTION

Election/Restrictions

1. Applicant's election without traverse of claims 1-23 in the reply filed on 12/28/2005 is acknowledged.

Since claims 20, 22, and 23, which are drawn to a product by process, were inadvertently grouped with elected method claims 1-19 and 20, and since Applicant failed to approve Examiner's Amendment to cancel claims 20, 22, and 23 to place the claimed invention in condition for allowance and requested a written Office Action, then a new Election/Restriction is presented.

- 2. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - I. Claims 1-19 and 21, drawn to a method of forming shallow trench isolation structures, classified in class 438, subclass 700.
 - II. Claims 20 and 22-25 drawn to a shallow trench structure made by an etching method, classified in class 438, subclass 1⁺.

The inventions are distinct, each from the other because of the following reasons:

3. Inventions I and II are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make another and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case the product (shallow trench isolation structure)

as claimed can be made by another and materially different process such as by a method that does not require more than one etching step.

- 4. Because these inventions are independent or distinct for the reasons given above and have acquired a separate status in the art in view of their different classification, restriction for examination purposes as indicated is proper.
- 5. Because these inventions are independent or distinct for the reasons given above and the inventions require a different field of search (see MPEP § 808.02), restriction for examination purposes as indicated is proper.
- 6. A telephone call was made to Kenton R. Mullins on 2/16/2006 to request an oral election to the above restriction requirement, but did not result in an election being made.

Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

Should applicant traverse on the ground that the inventions or species are not patentably distinct, applicant should submit evidence or identify such evidence now of

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record showing the inventions or species to be obvious variants or clearly admit on the

record that this is the case. In either instance, if the examiner finds one of the inventions

unpatentable over the prior art, the evidence or admission may be used in a rejection

under 35 U.S.C.103 (a) of the other invention.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Lynette T. Umez-Eronini whose telephone number is

571-272-1470. The examiner is normally unavailable on the First Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Nadine Norton can be reached on 571-272-1465. The fax phone number

for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

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March 6, 2006

NADINE G. NORTON SUPERVISORY PATENT EXAMINER

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